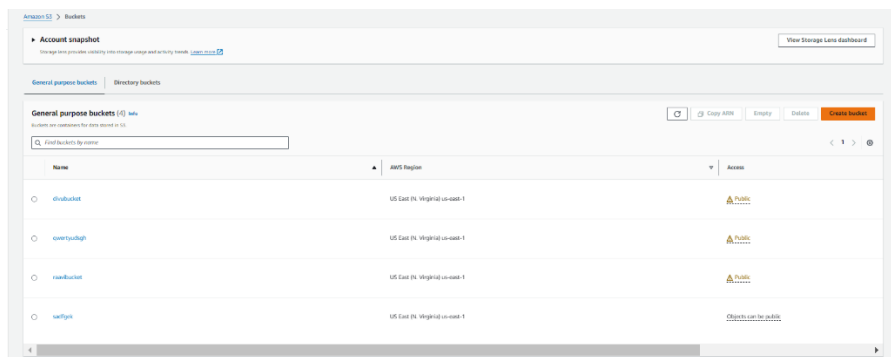


# DOCUMENTATION

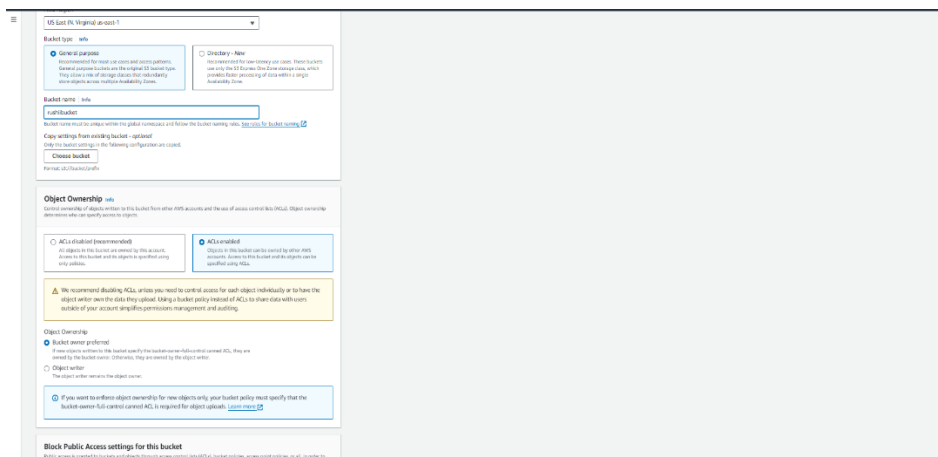
Apurva Anil Jagdale.

## 1)HOW TO MAKE BUCKET, ADD FILE AND GIVE PUBLIC ACCESS TO FILE

Step I : In Services , search S3 and open it ,then click on buckets and create bucket.



Step II : select the region, bucket type, enter unique name for bucket and select object ownership.



## Step III : Keep it as it is simply click on create bucket tab.

**Block Public Access settings for this bucket**

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all together to control that public access to the bucket and objects is fully blocked. To learn more about public access, see [Public Access](#). These settings control public access to buckets and objects under your account. We recommend that you turn on Block all public access, and before making any of these settings, ensure that your applications and users are working without public access. If you choose over time of public access to the bucket or object settings, you will maintain the existing settings that you have previously set. [Learn more](#)

☒ **Block all public access**

Turning on settings for the bucket as follows will have settings below. Each of the following settings are independent of one another.

- ☒ **Block public access to buckets and objects granted through new access control lists (ACLs)**  
If you turn on Block public access, you must ensure that you don't have public access to buckets and objects. This setting doesn't change any existing permissions that allow public access to buckets and objects.
- ☒ **Block public access to buckets and objects granted through any access control lists (ACLs)**  
If you turn on Block public access, you must ensure that you don't have public access to buckets and objects.
- ☒ **Block public access to buckets and objects granted through new public bucket or access point policies**  
If you turn on Block public access, you must ensure that you don't have public access to buckets and objects. This setting doesn't change any existing public bucket or access point policies.
- ☒ **Block public and cross-account access to buckets and objects through any public bucket or access point policies**  
If you turn on Block public and cross-account access to buckets and objects, you must ensure that you don't have public access to buckets and objects.

**Bucket Versioning**

Versioning is a feature of Amazon S3 that allows you to store multiple versions of the same object. This can be useful for protecting your data from accidental deletion and recovery of deleted objects. For more information, see [Bucket Versioning](#).

**Bucket Versioning**

☒ Enable  
☐ Disable

**Tags - optional**

You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.

[Add tag](#)

**Default encryption**

Amazon S3 automatically encrypts all data stored in this bucket.

**Encryption type**

☒ Server-side encryption with Amazon S3-managed keys (SSE-S3)  
☐ Server-side encryption with AWS Key Management Service keys (SSE-KMS)  
☐ Client-side encryption with Amazon S3-managed keys (SSE-S3-Client)

**Bucket Key**

Amazon S3 uses the bucket key to encrypt and decrypt data stored in the bucket. For more information, see [Bucket Key](#).

☒ Enable  
☐ Disable

**Advanced settings**

☒ After creating this bucket, you can update the bucket's policy, and configure additional bucket settings.

[Cancel](#) [Create bucket](#)

## Step IV : Bucket is added Successfully.

**Successfully created bucket "mybucket"**

To upload files and folders, or to configure additional bucket settings, choose [View details](#).

[Amazon S3](#) > [Buckets](#)

**Account snapshot**

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

[View Storage Lens dashboard](#)

**General purpose buckets** | **Directory buckets**

**General purpose buckets (5)**

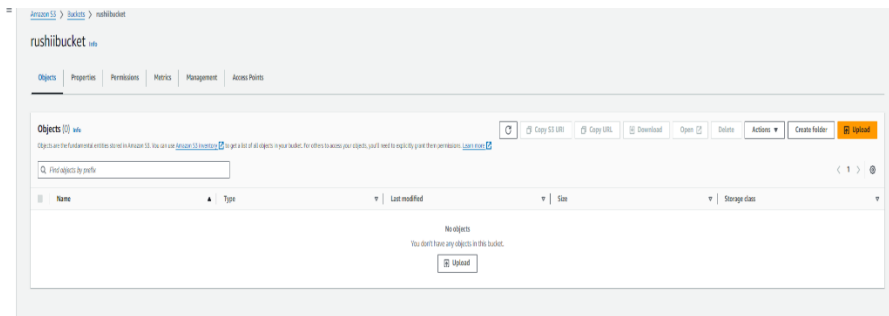
Buckets are containers for data stored in S3.

Find buckets by name

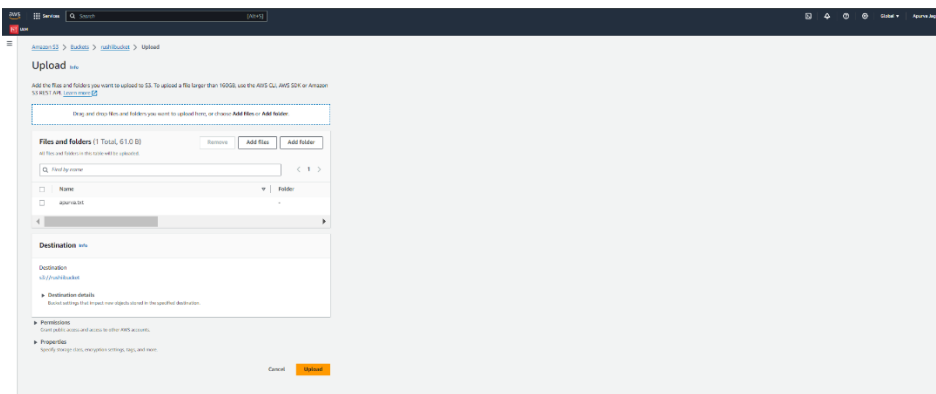
[Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

Name	AWIS Region	Access	Creation date
<a href="#">d3ubucket</a>	US East (N. Virginia) us-east-1	Public	February 26, 2024, 10:46:51 (UTC+05:30)
<a href="#">d4ertyubgh</a>	US East (N. Virginia) us-east-1	Public	February 24, 2024, 18:32:59 (UTC+05:30)
<a href="#">s3ubucket</a>	US East (N. Virginia) us-east-1	Public	February 26, 2024, 11:49:54 (UTC+05:30)
<a href="#">s3ubucket</a>	US East (N. Virginia) us-east-1	Bucket and objects not public	February 26, 2024, 14:40:56 (UTC+05:30)
<a href="#">s3d3gk</a>	US East (N. Virginia) us-east-1	Objects can be public	February 24, 2024, 19:41:27 (UTC+05:30)

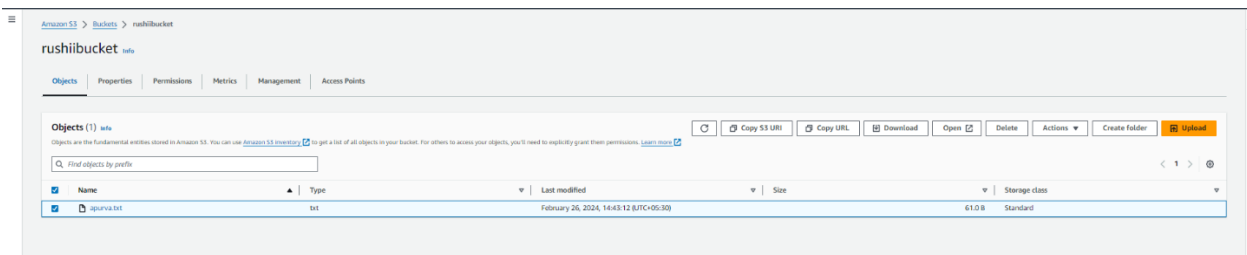
Step V : Select the bucket where you want to add objects then click on the upload tab.



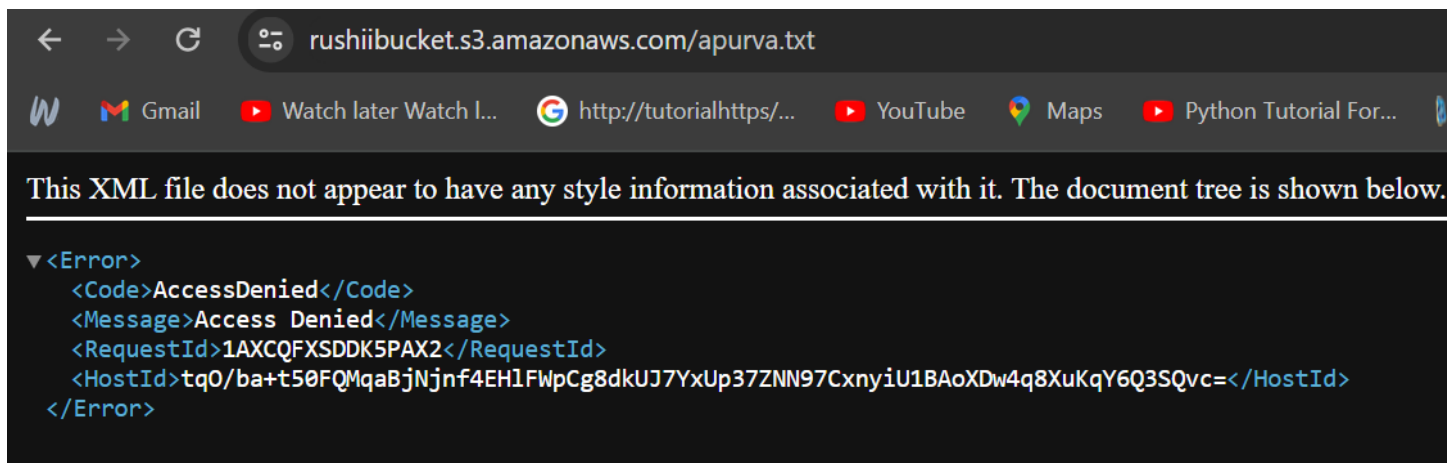
Step VI : Upload the file or folder which you want to upload.



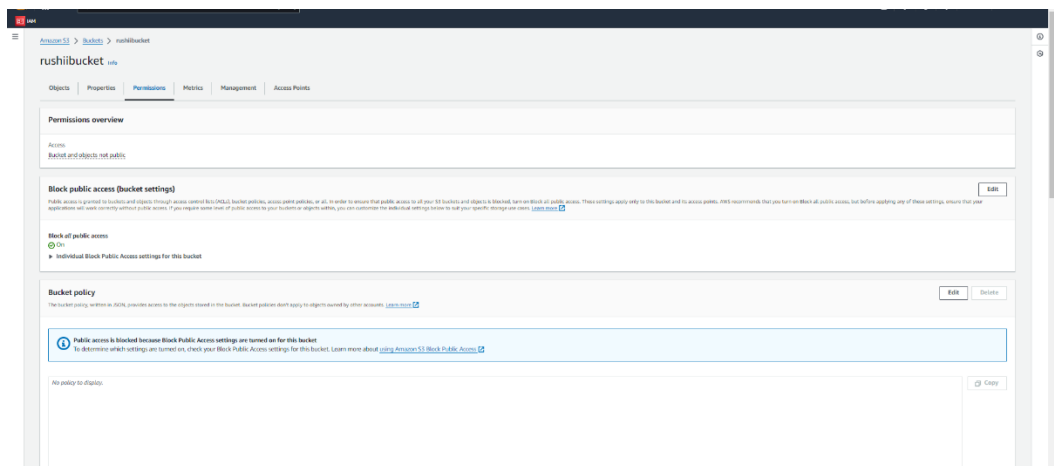
Step VII : then Click on select the file and copy URL.



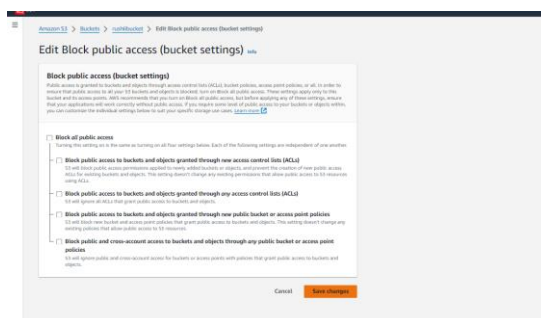
Step IX : Paste the Copied URL in another Browser. It gives you Access Denied Because, it is Private.

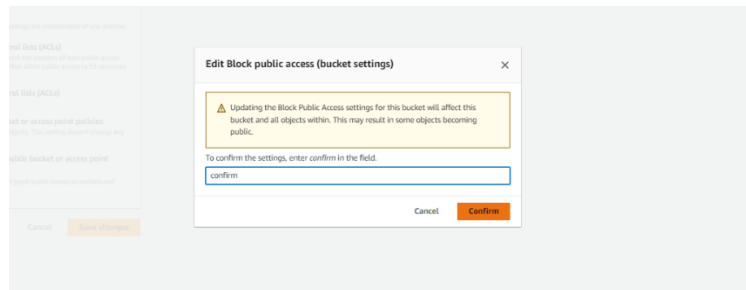


Step X : then Again go to Buckets , select Bucket then go to Permissions click on edit Bucket Policy.



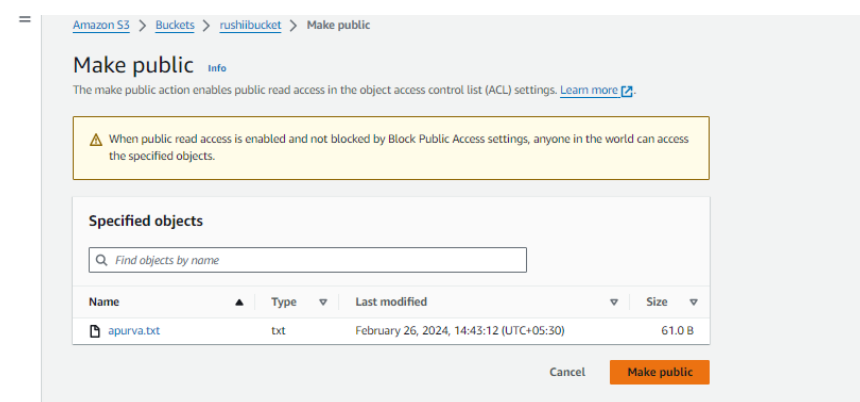
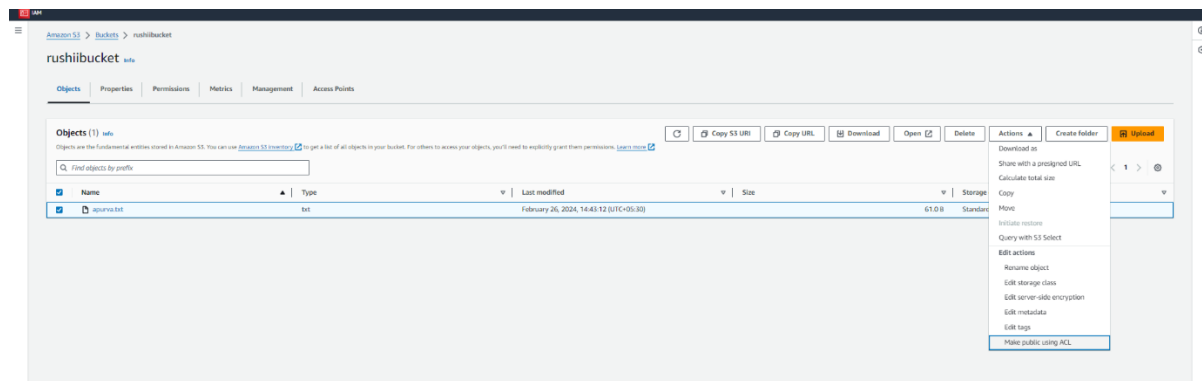
Step XI : untick the block public access and click the save changes tab, the write confirm and then click on confirm tab.





Step XII : Then click on objects, select the file, go to Actions and click the Make public using ACL ,click on make public tab. Now it is public.

If The ACL not Enable while creating bucket then we need to add Policy.



Step XIII : to add Policy we need Click On Permissions and then edit it. copied arn and click the Policy

Generator option. Select Policy Type, set principal, aws service ,actions and paste here arn which we copied.click on add statement and then Generate Policy.

The screenshot shows the AWS Policy Generator web interface. It includes sections for 'Step 1: Select Policy Type', 'Step 2: Add Statement(s)', and 'Step 3: Generate Policy'. In Step 2, a statement is being configured with Principal set to 'AWS Service', Action set to 's3:PutObject', and Resource set to 'arn:aws:s3:::my-bucket/\*'. The interface also shows a table of generated statements and a 'Generate Policy' button.

**Step 2: Add Statement(s)**

A statement is the formal description of a single permission. This is a declaration of statements that you can use to statements.

**Effect** ☒ Allow ☐ Deny

**Principal**  How can you specify the principal?

**Actions**  How can you specify the actions?

**Resources**  How can you specify the resources?

**Generate Policy**

Principal(s)	Effect	Action	Resource	Conditions
*	Allow	s3:PutObject	arn:aws:s3:::my-bucket/*	None

**Step 3: Generate Policy**

A policy is a document (either in the [JSON](#) or [IAM](#) language) that sets up a statement for one or more statements.

Step XIV : copy Generated Policy close it and paste it in Bucket Policy.In Resources of policy add /\* at the end od resource line then save Changes.

The screenshot shows the AWS IAM console 'Bucket policy' page. The 'Policy' tab is selected, and the policy document is displayed in JSON format. The policy grants 's3:PutObject' permission to 'AWS Service' on the resource 'arn:aws:s3:::my-bucket/\*'. The 'Add statement' button is visible on the right.

**Bucket policy**

The bucket policy controls access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

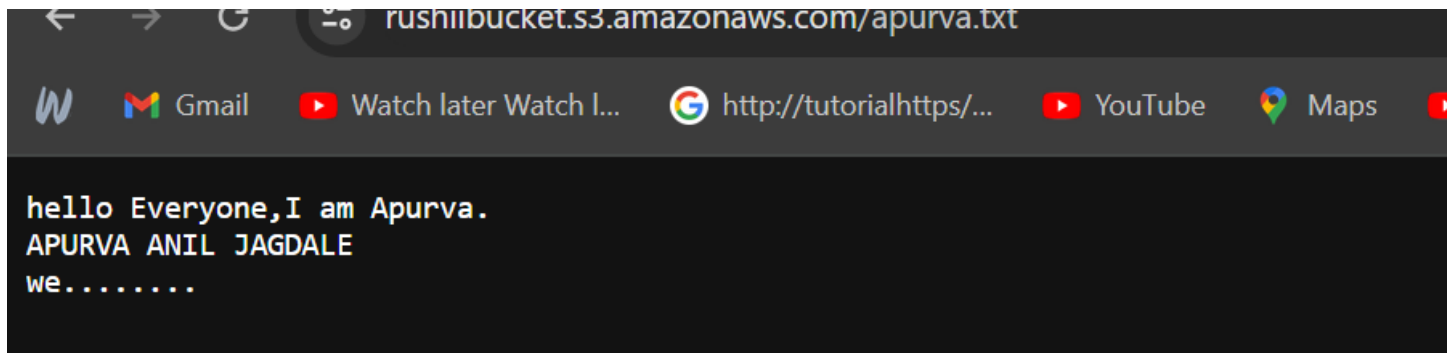
**Policy**

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Principal": "AWS",
      "Action": "s3:PutObject",
      "Resource": "arn:aws:s3:::my-bucket/*"
    }
  ]
}
```

**Add statement**

Select or create a statement to add to the policy or add a new statement.

Step X : Now ,here it is accessible



\*\*\*\*\*

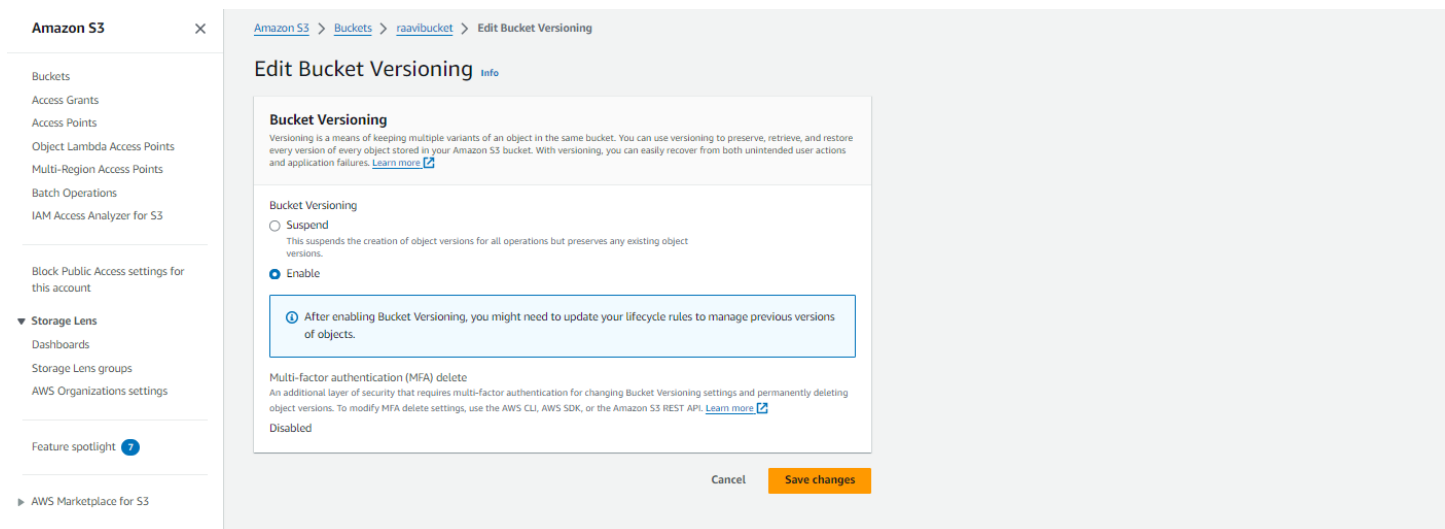
\*\*\*\*\*

\*\*\*\*\*

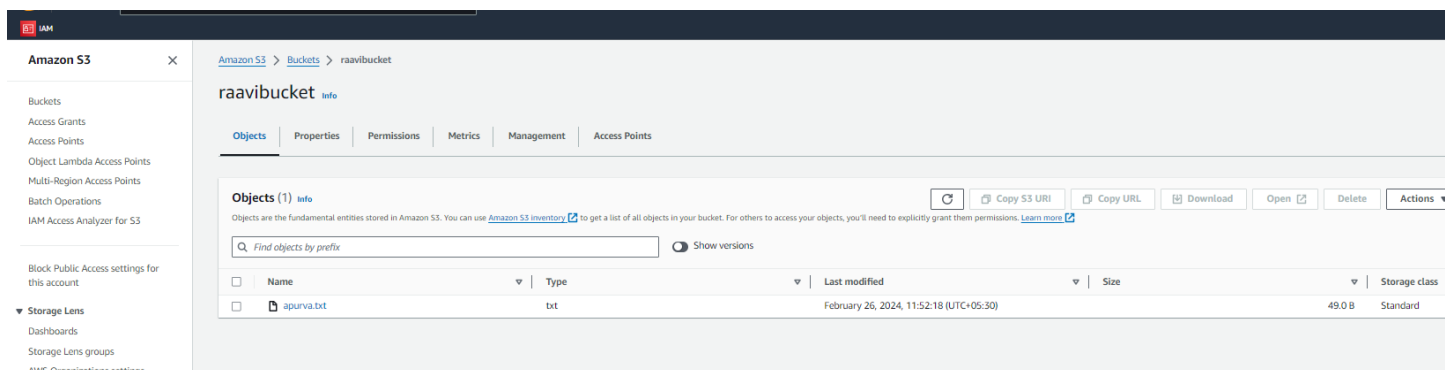
## 2)VERSIONING

If versioning is enable then we can add same name file and folders in bucket.

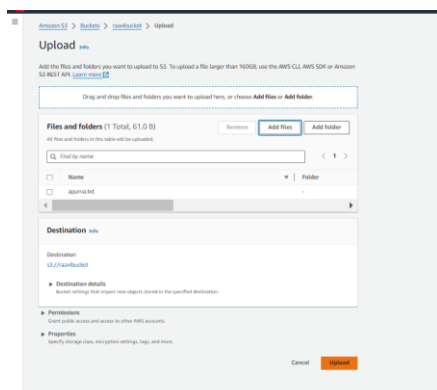
Step I : in Buckets, select the Bucket where we want to versioning the files then go to properties and click edit option enable the bucket versioning and save Changes.



Step II : then go to objects here we show the Show versions options.

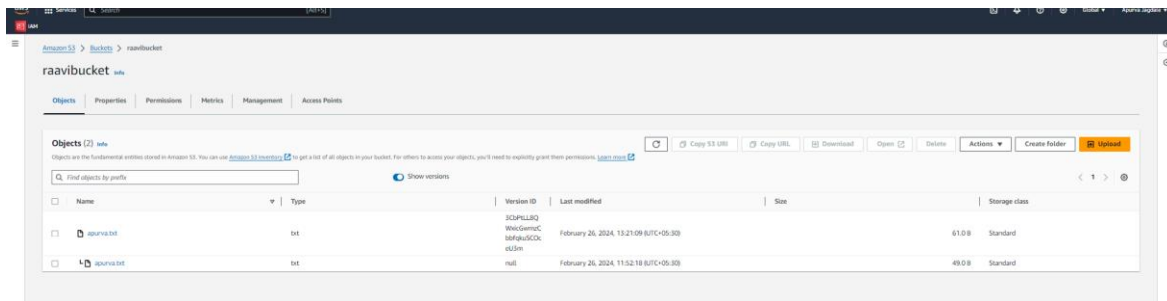


Step III : then upload the same name file to identify difference edit it





Step IV : go to objects, here versions are showed to read the file simple select file and open it .



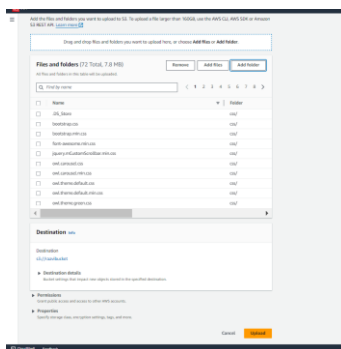
### 3) IN S3 BUCKET , HOSTING THE STATIC WEBSITE

Step I : Create a Bucket.

Step II : then make it public

Step III : Download the css static website template , unzip it and upload files and folders in Bucket

Step IV : then make the files Public.



Amazon S3 > Buckets > raavibucket

raavibucket **Info** Publicly accessible

Objects Properties Permissions Metrics Management Access Points

Objects (10) **Info**

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 Inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix Show versions

<input checked="" type="checkbox"/>	Name	Type	Last modified	Size	Storage
<input checked="" type="checkbox"/>	about.html	html	February 26, 2024, 14:14:49 (UTC+05:30)	9.6 KB	Standard
<input checked="" type="checkbox"/>	apurna.txt	txt	February 26, 2024, 13:21:09 (UTC+05:30)	61.0 B	Standard
<input checked="" type="checkbox"/>	contact.html	html	February 26, 2024, 14:14:50 (UTC+05:30)	10.6 KB	Standard
<input checked="" type="checkbox"/>	css/	Folder	-	-	-
<input checked="" type="checkbox"/>	fonts/	Folder	-	-	-
<input checked="" type="checkbox"/>	images/	Folder	-	-	-
<input checked="" type="checkbox"/>	index.html	html	February 26, 2024, 14:14:51 (UTC+05:30)	34.5 KB	Standard
<input checked="" type="checkbox"/>	js/	Folder	-	-	-
<input checked="" type="checkbox"/>	portfolio.html	html	February 26, 2024, 14:14:52 (UTC+05:30)	13.5 KB	Standard
<input checked="" type="checkbox"/>	we_do.html	html	February 26, 2024, 14:14:54 (UTC+05:30)	18.3 KB	Standard

Actions

- Download as
- Share with a presigned URL
- Calculate total size
- Copy
- Move
- Initiate restore
- Query with S3 Select
- Edit actions
  - Rename object
  - Edit storage class
  - Edit server-side encryption
  - Edit metadata
  - Edit tags
  - Make public using ACL

Amazon S3 > Buckets > raavibucket > Make public

Make public **Info**

The make public action enables public read access in the object access control list (ACL) settings. [Learn more](#)

When public read access is enabled and not blocked by Block Public Access settings, anyone in the world can access the specified objects.

- This action applies to all objects within the specified folders. Objects added to these folders while the action is in progress might be affected.

Specified objects

Find objects by name

Name	Type	Last modified	Size
about.html	html	February 26, 2024, 14:14:49 (UTC+05:30)	9.6 KB
apurna.txt	txt	February 26, 2024, 13:21:09 (UTC+05:30)	61.0 B
contact.html	html	February 26, 2024, 14:14:50 (UTC+05:30)	10.6 KB
css/	Folder	-	-
fonts/	Folder	-	-
images/	Folder	-	-
index.html	html	February 26, 2024, 14:14:51 (UTC+05:30)	34.5 KB
js/	Folder	-	-
portfolio.html	html	February 26, 2024, 14:14:52 (UTC+05:30)	13.5 KB
we_do.html	html	February 26, 2024, 14:14:54 (UTC+05:30)	18.3 KB

Cancel Make public

Step V : go to properties and enable the static web site hosting,select the hosting type and click on save changes tab.

Requester pays Disabled

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting Disabled

CloudShell Feedback

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Amazon S3 > Buckets > raavibucket > Edit static website hosting

### Edit static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting

☐ Disable

☒ Enable

Hosting type

☒ Host a static website

Use the bucket endpoint as the web address. [Learn more](#)

☐ Redirect requests for an object

Redirect requests to another bucket or domain. [Learn more](#)

**Important:** For your content to be accessible at the website endpoint, you must make all your content publicly readable. To do so, you can set the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#).

Index document

Specify the name of the default page of the website.

Error document - optional

This is returned when an error occurs.

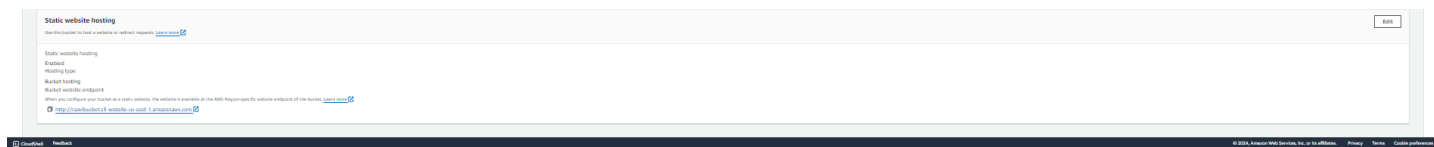
Redirection rules - optional

Redirection rules, written in YAML, automatically redirect requests for specific content. [Learn more](#)

JSON | Ln 1, Col 1 | 0 errors | 0 warnings

Cancel [Save changes](#)

Step VI : Go to Static website hosting ,click this URL.



Step VII : Template is generated.

